

FIG.1

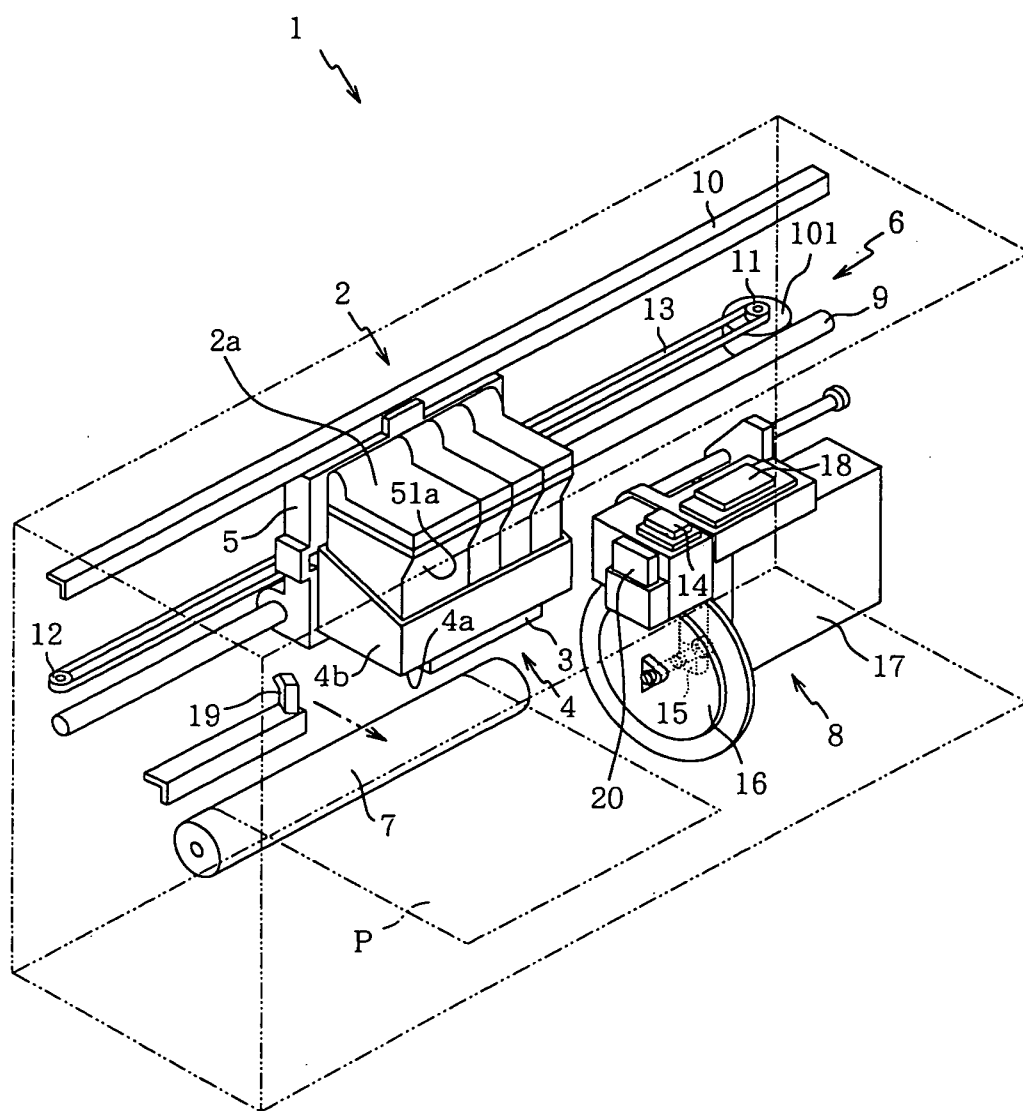


FIG.2

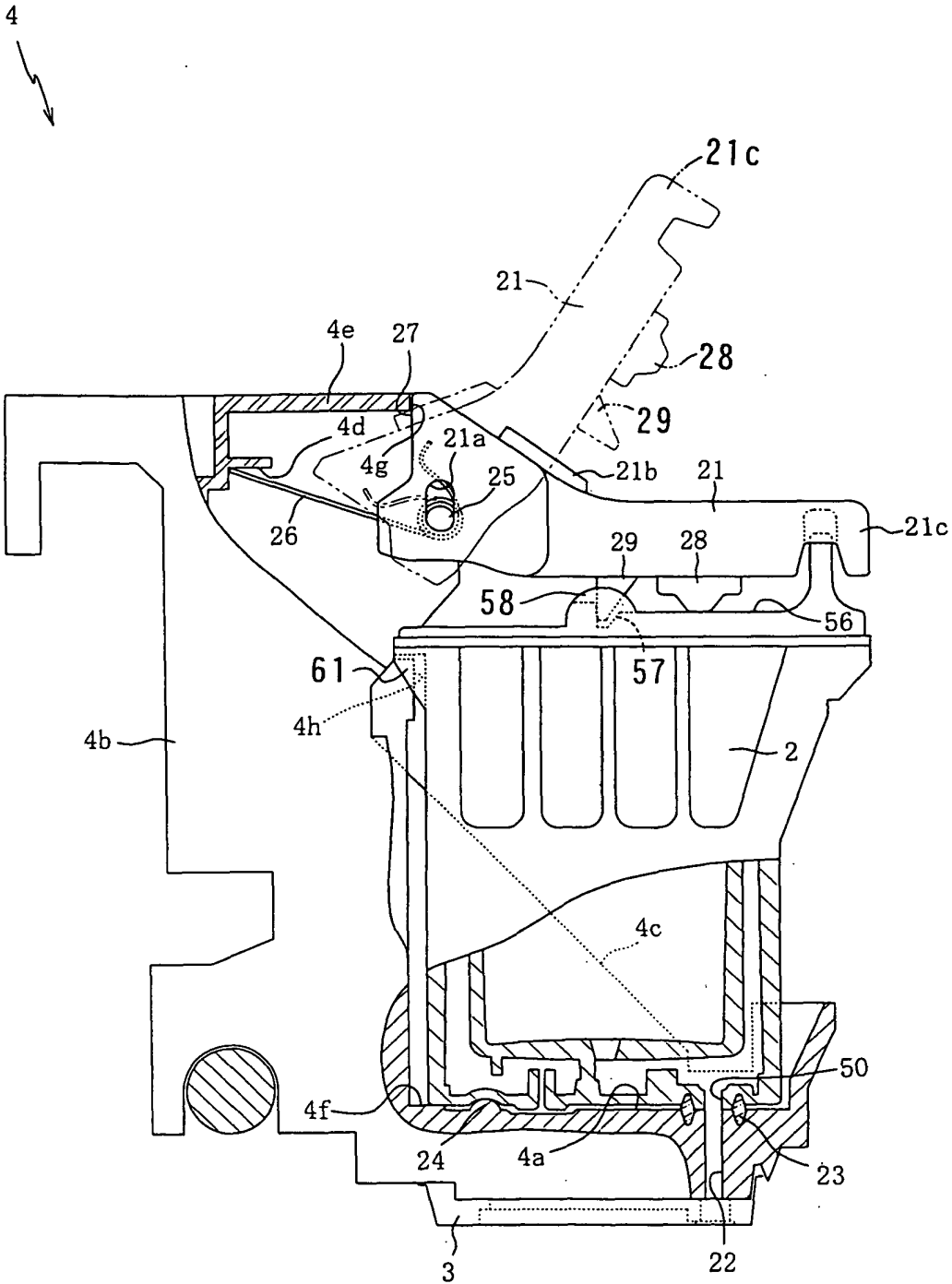


FIG.4A

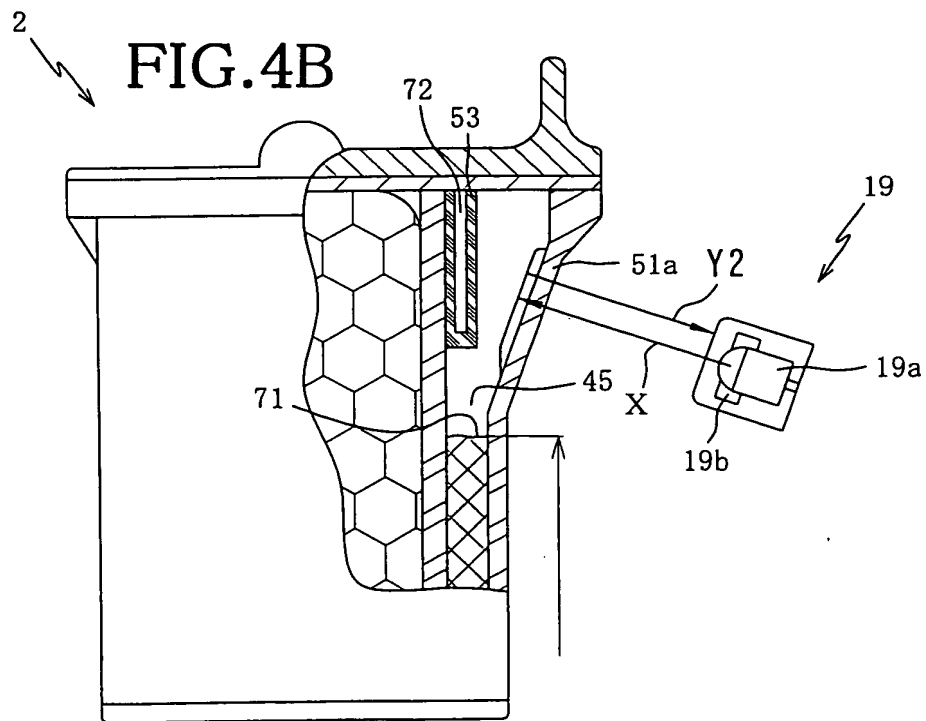
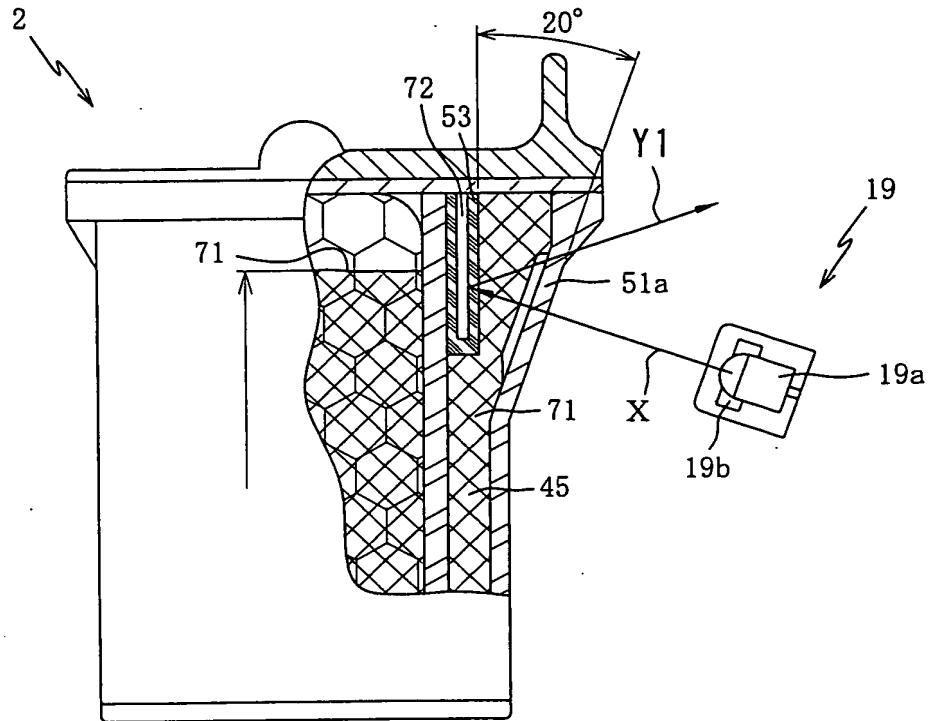


FIG.5

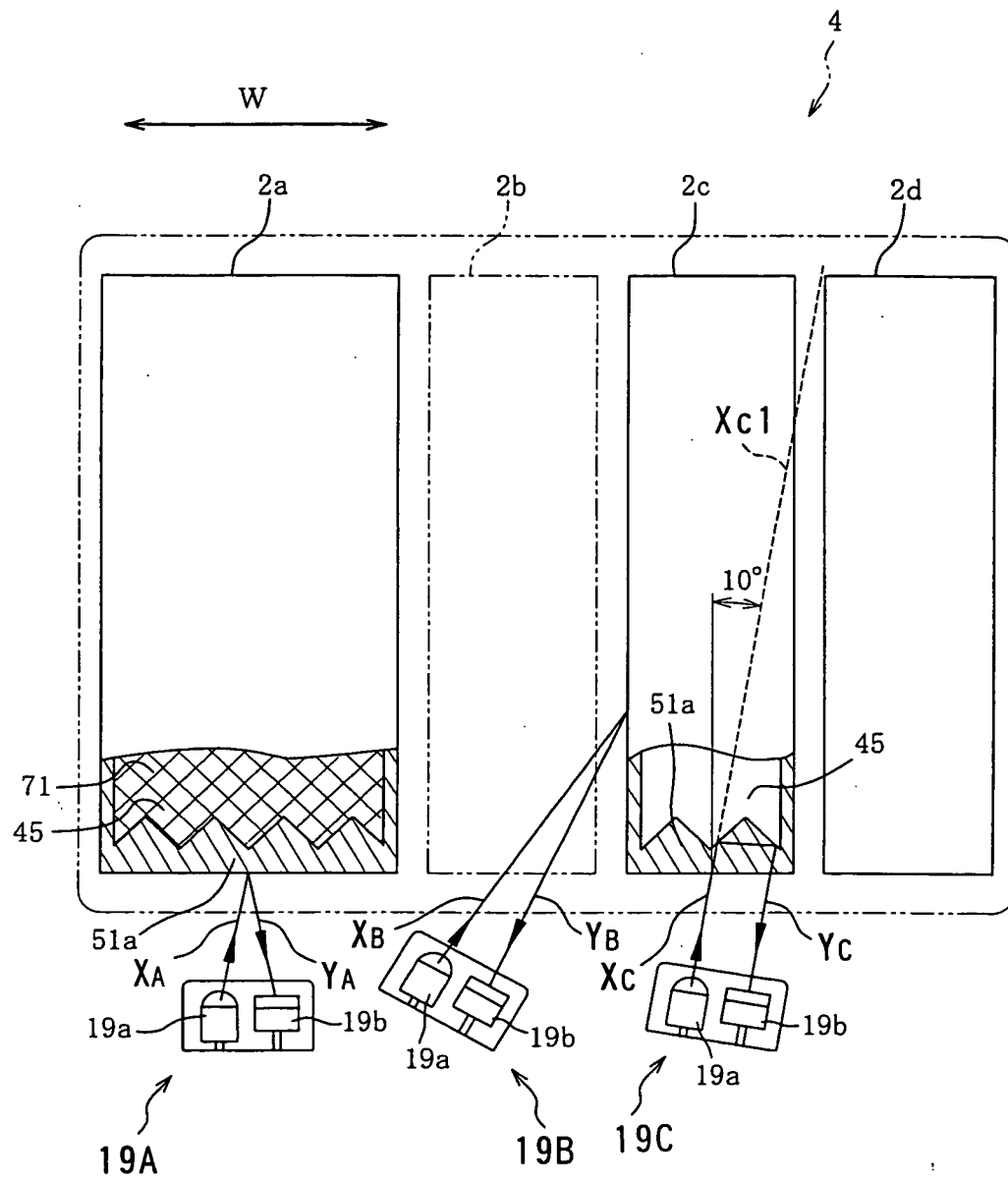


FIG. 6

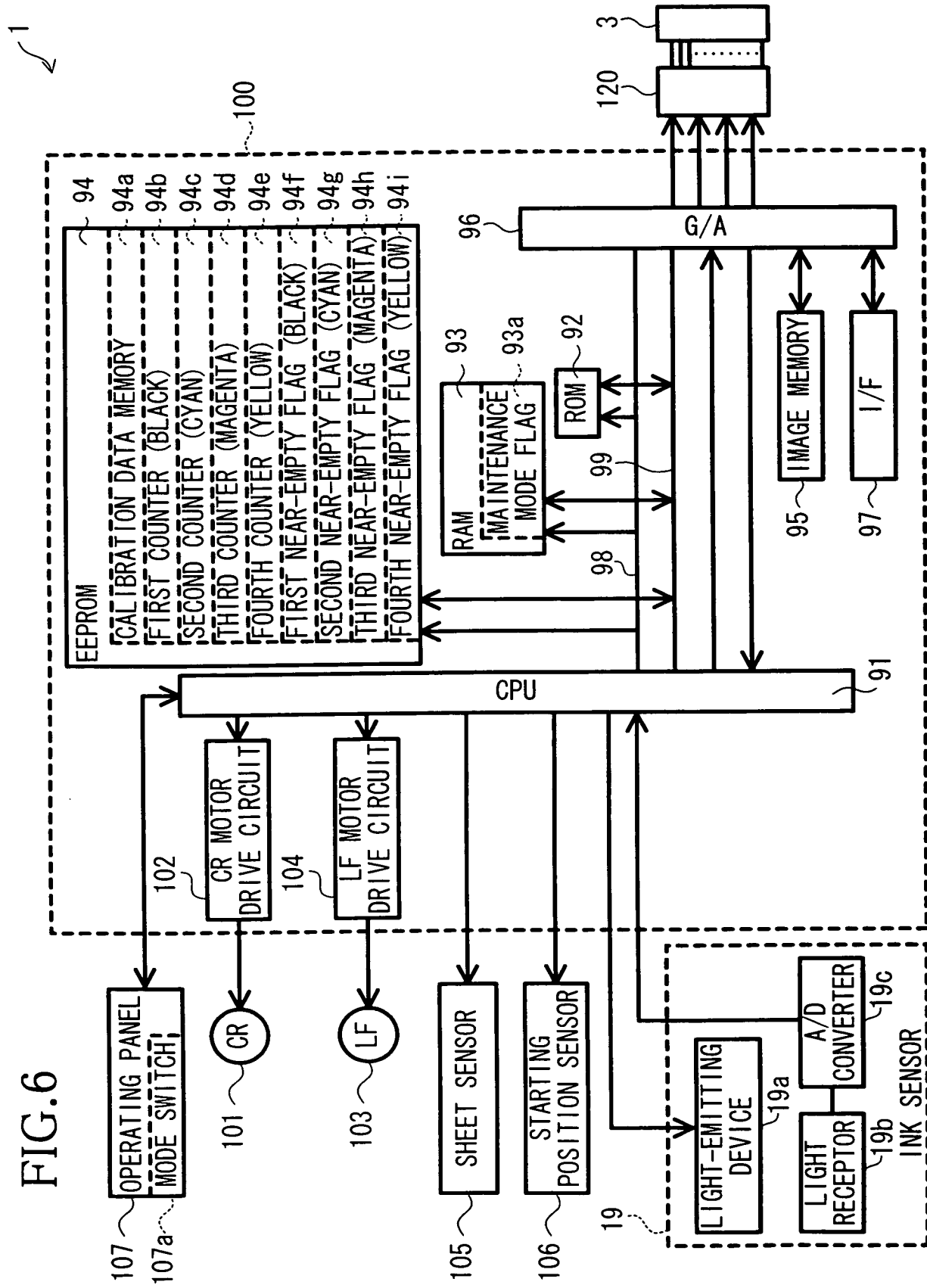


FIG.7 (DETECTION OF DEVIATION OF RELATIVE POSITION
BETWEEN INK SENSOR AND CARTRIDGE)

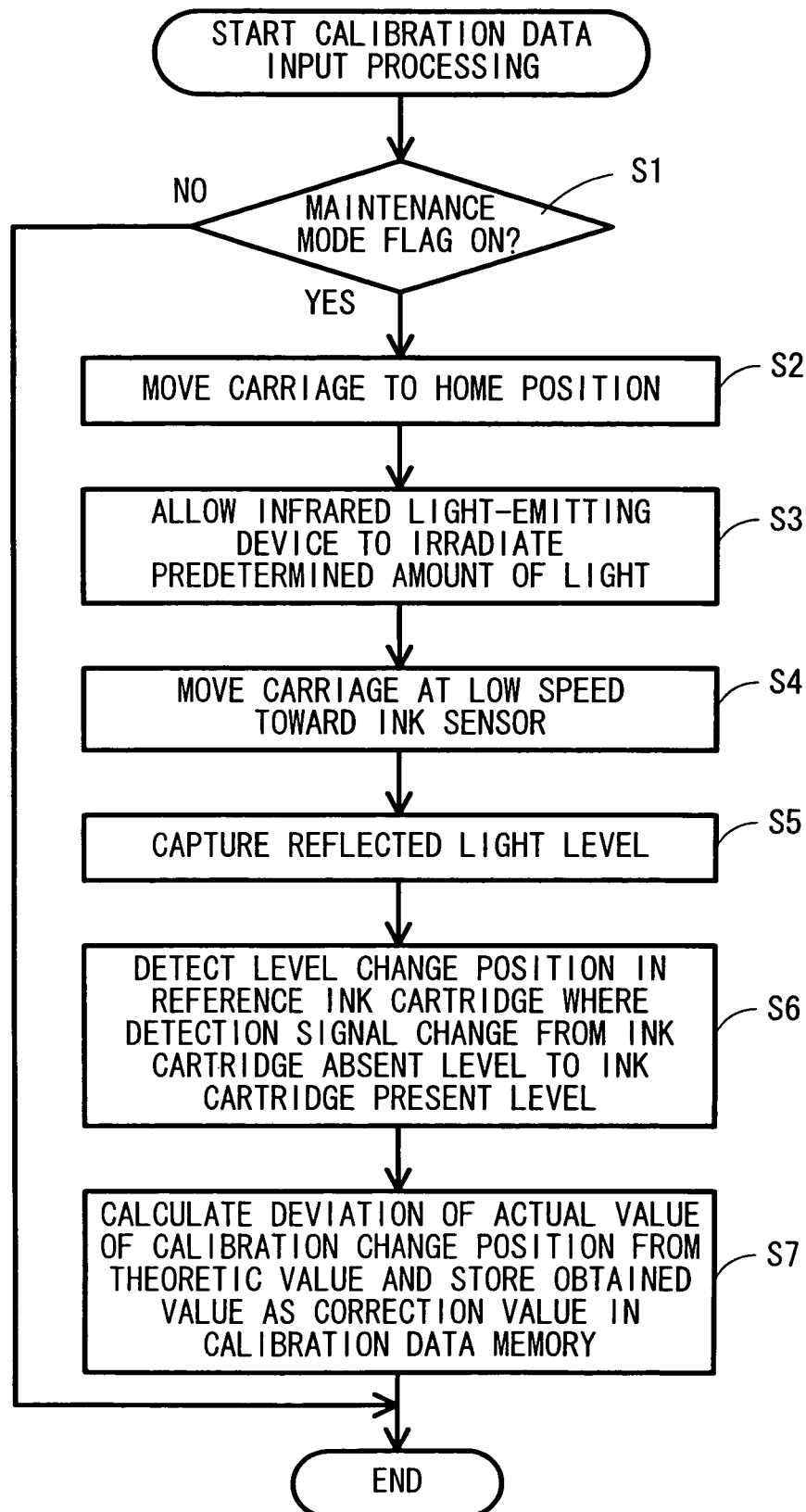


FIG.8

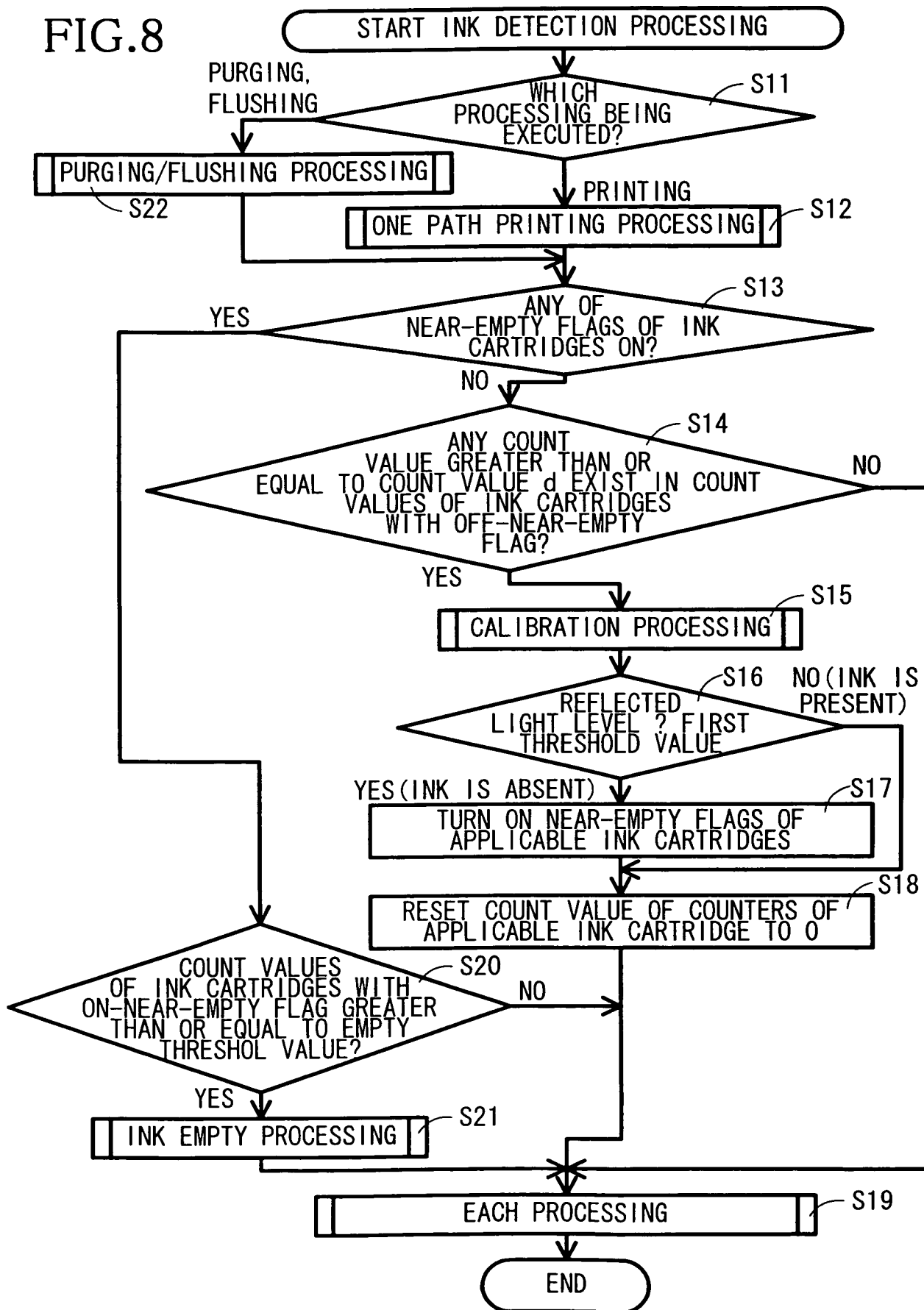


FIG.9

(CORRECTION OF DEVIATION OF RELATIVE POSITION
BETWEEN INK SENSOR AND INK CARTRIDGE AND
READING OF REFLECTED LIGHT LEVEL)

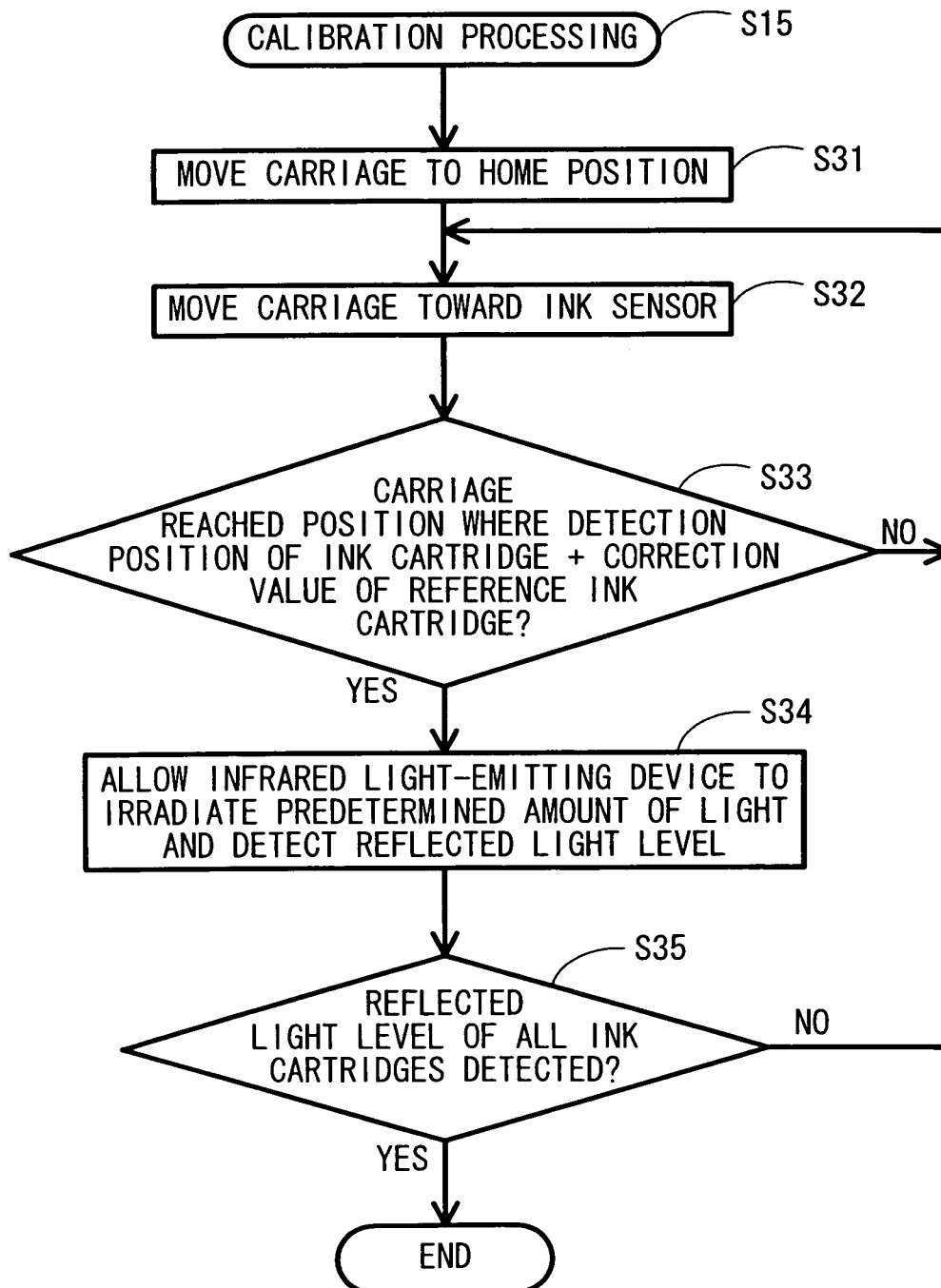


FIG.10

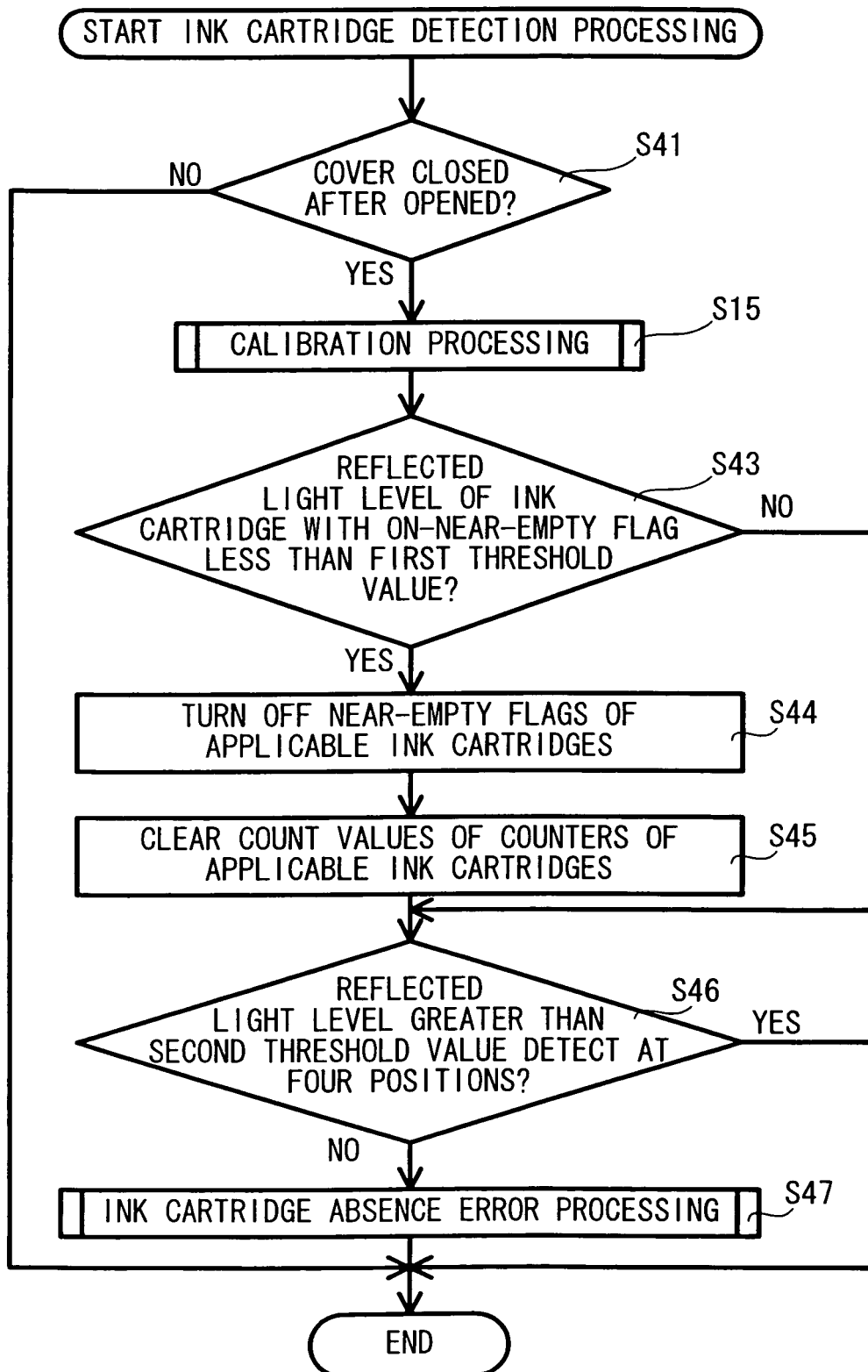


FIG.11

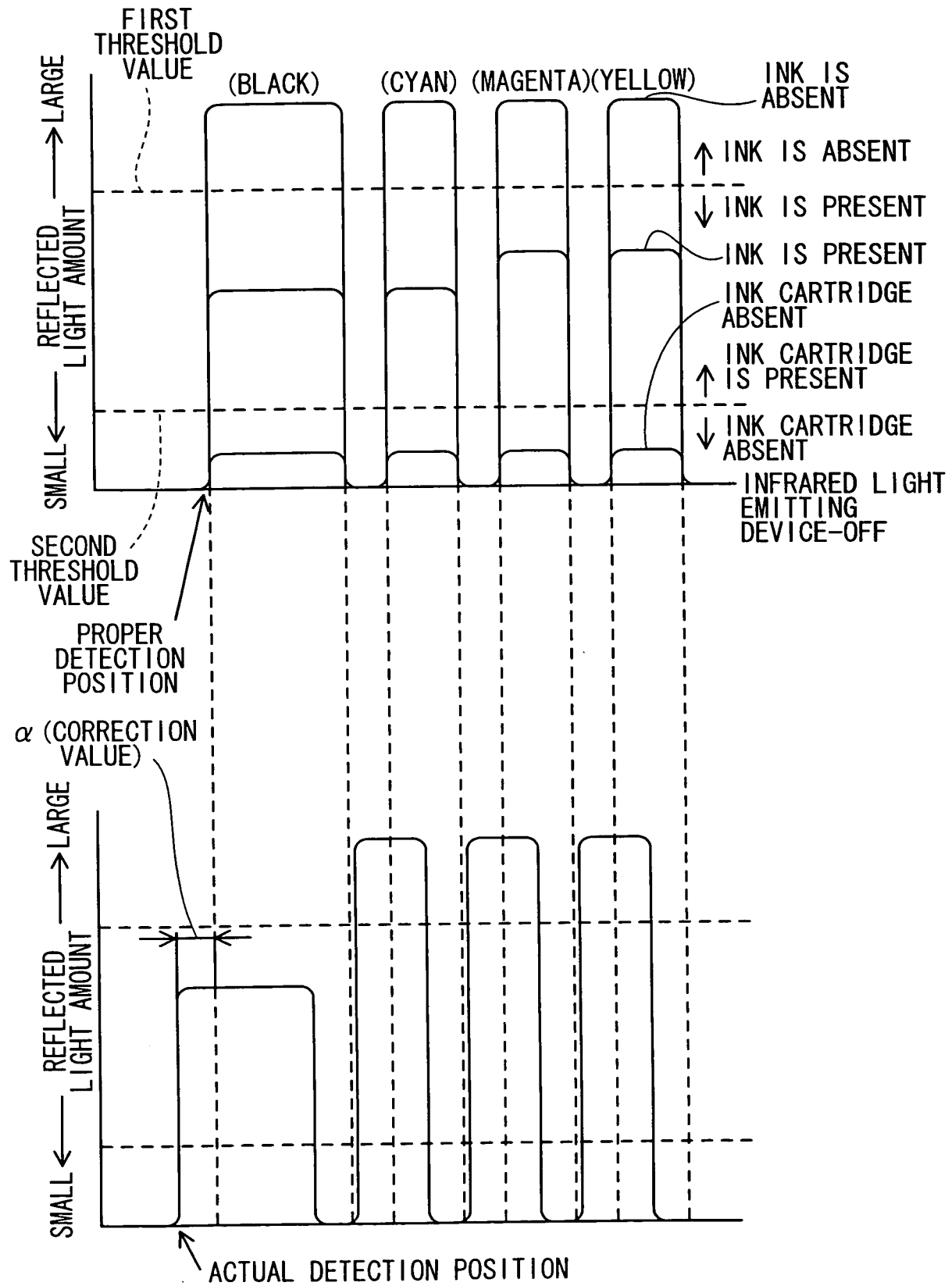


FIG.12A

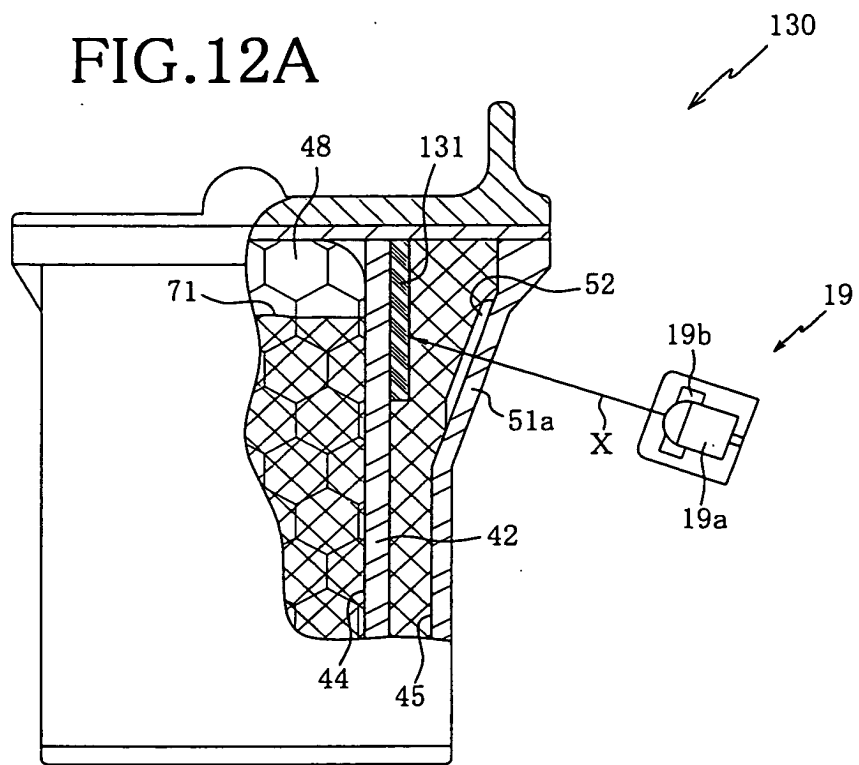


FIG.12B

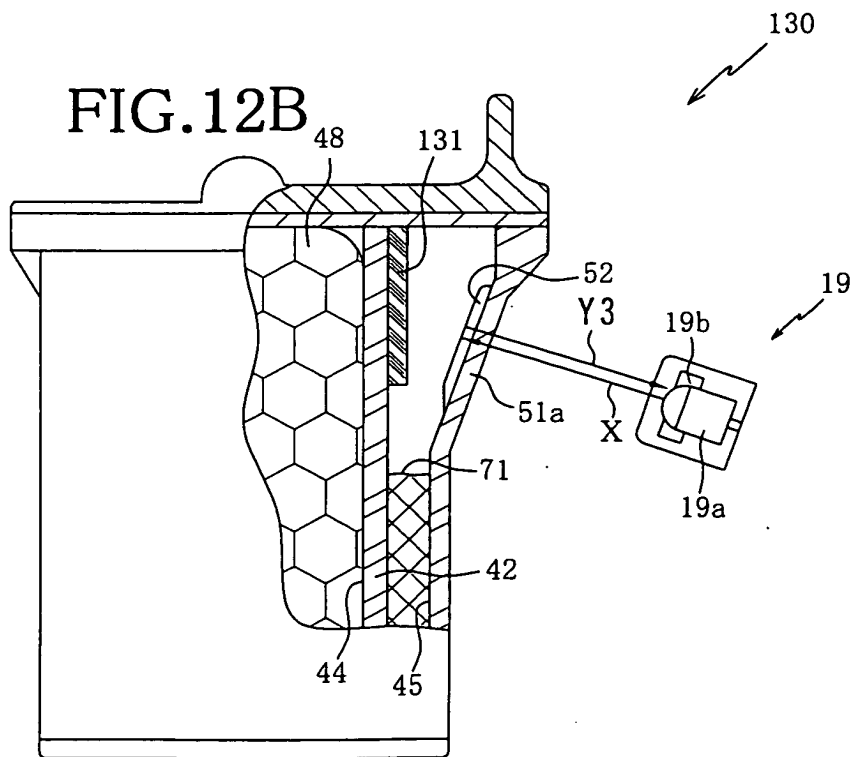


FIG.13A

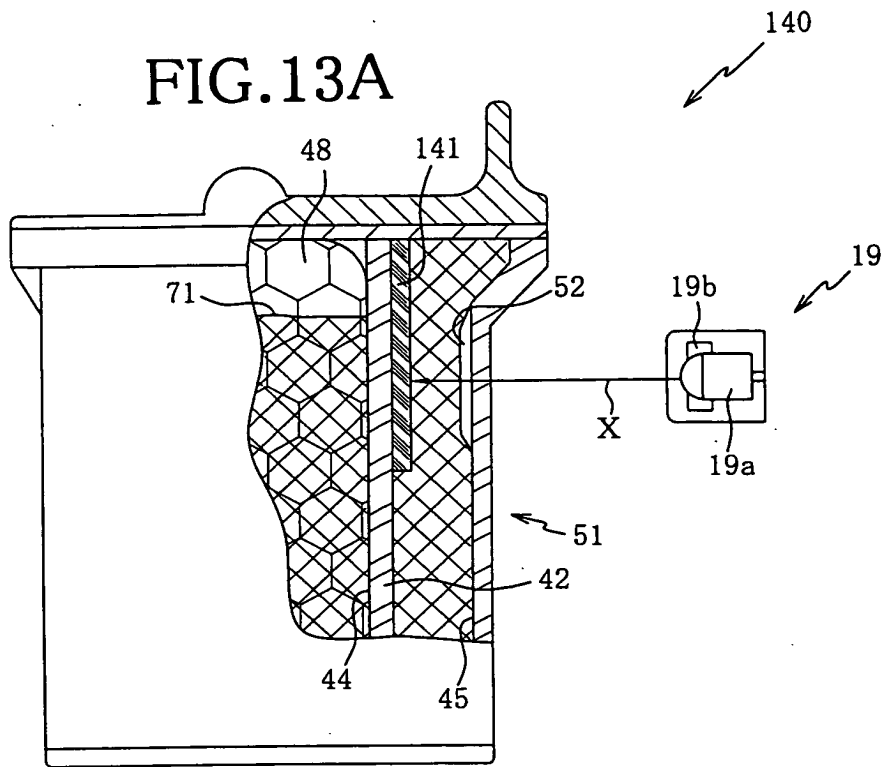


FIG.13B

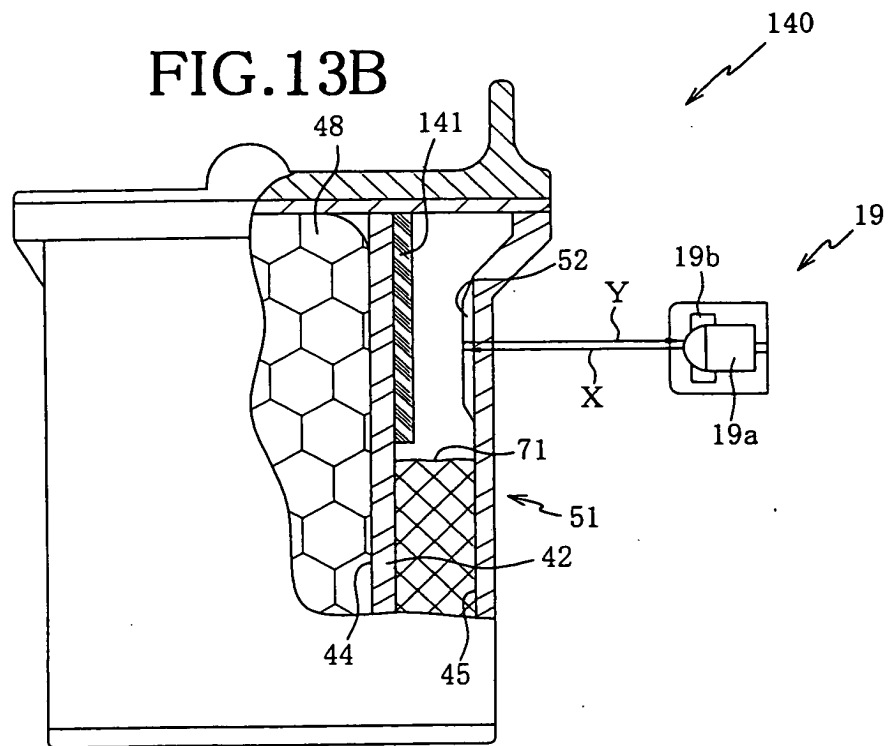


FIG.14

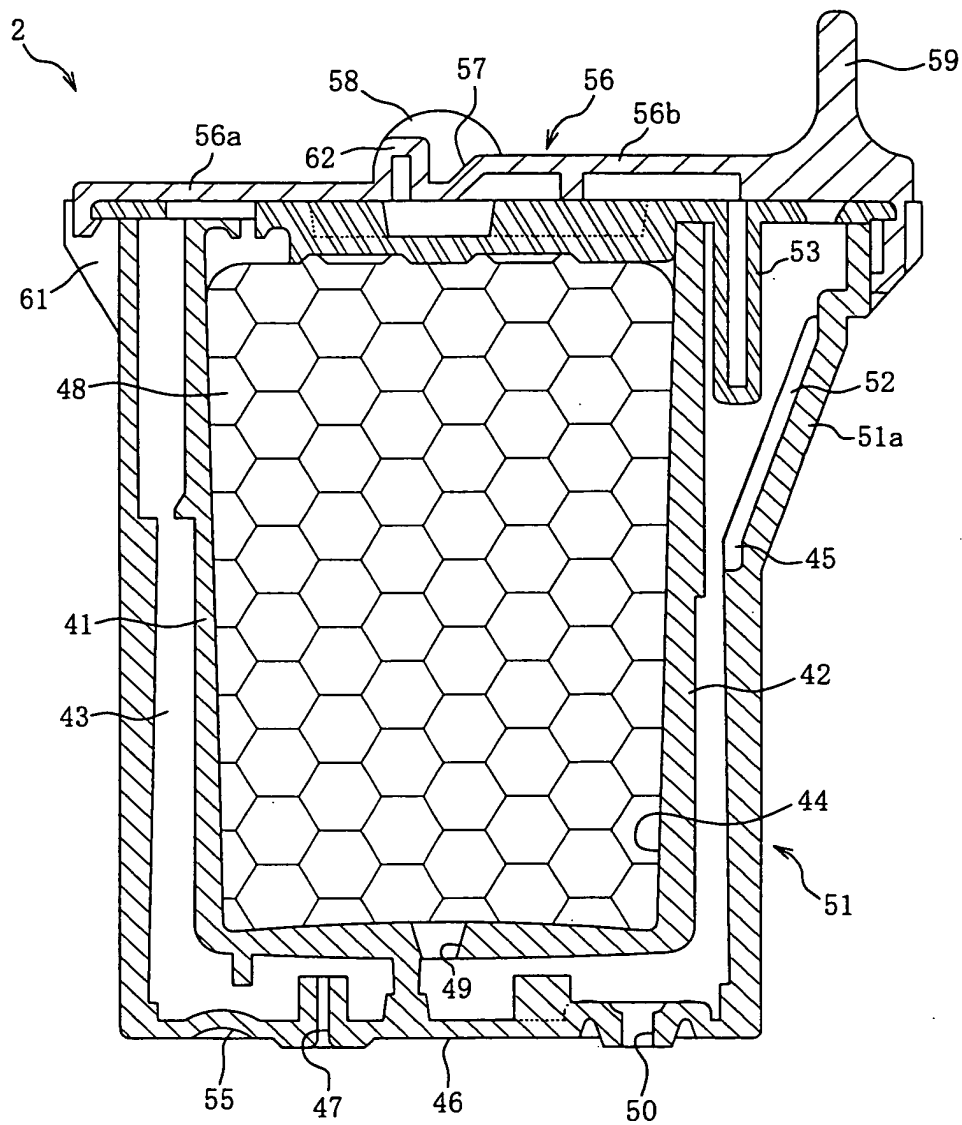
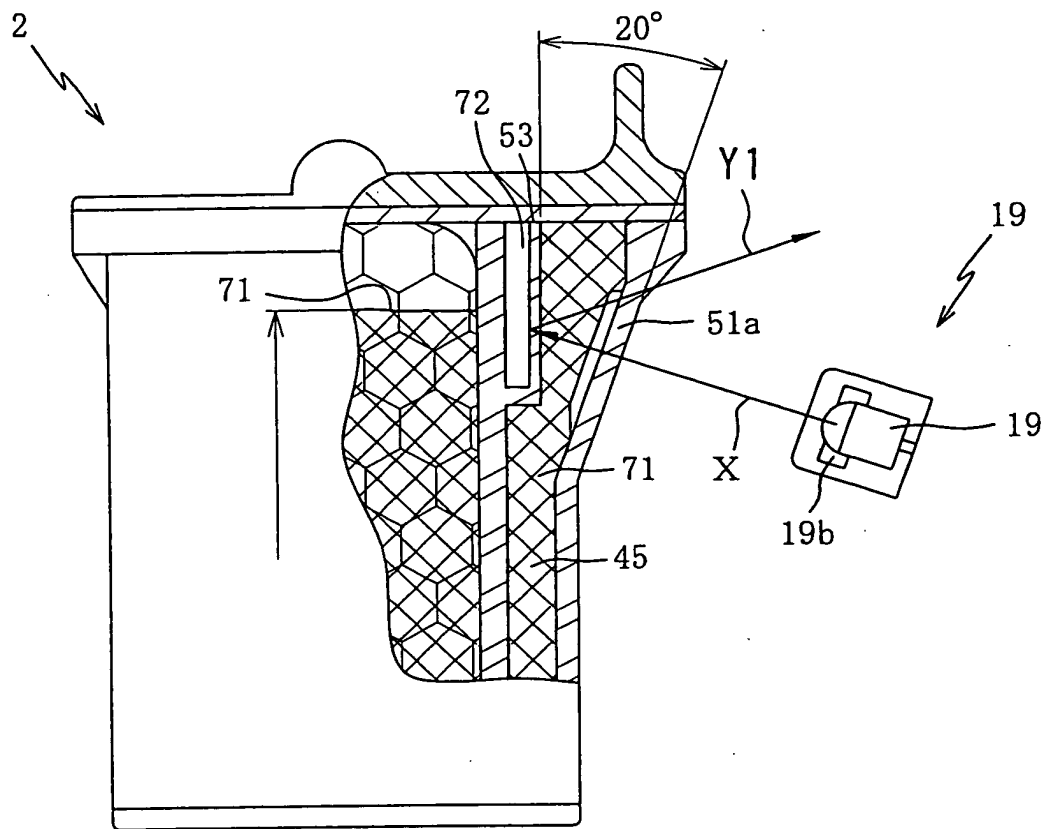
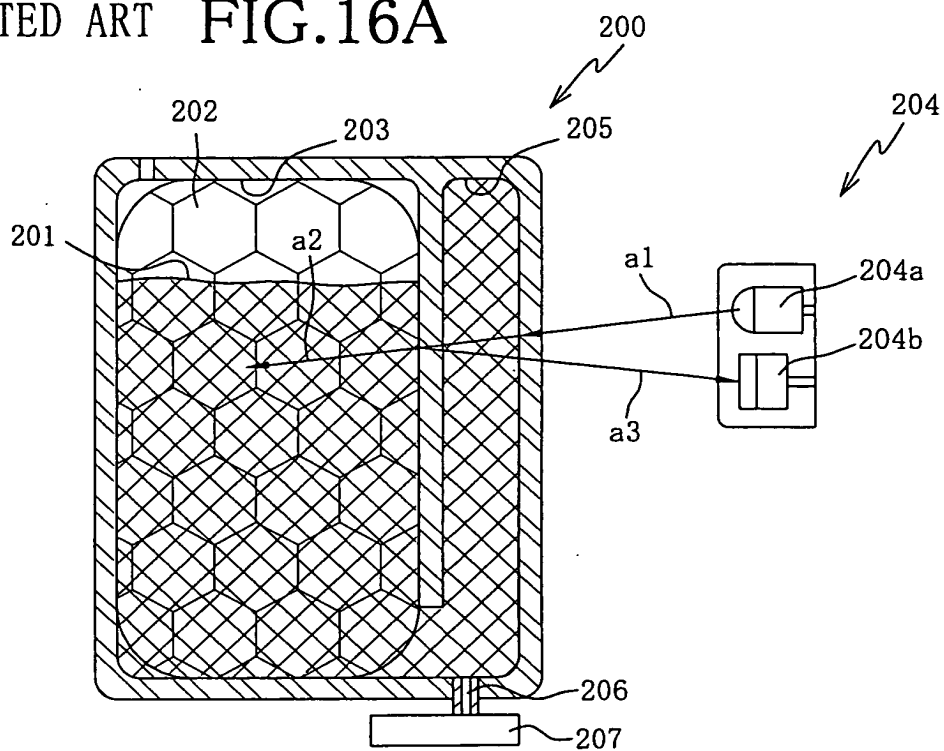


FIG.15



RELATED ART FIG.16A



RELATED ART FIG.16B

